

Appendix IV: Alignment of SEQ ID NO: 347 of Wang et al with instant SEQ ID NO: 6

RESULT 2
 US-09-542-615A-347
 ; Sequence 347, Application US/09542615A
 ; Patent No. 6518256
 ; GENERAL INFORMATION:
 ; APPLICANT: Wang, Tongtong
 ; APPLICANT: Fan, Liqun
 ; APPLICANT: Kalos, Michael D.
 ; APPLICANT: Bangur, Chaitanya S.
 ; APPLICANT: Hosken, Nancy A.
 ; APPLICANT: Fanger, Gary R.
 ; TITLE OF INVENTION: COMPOUNDS AND METHODS FOR THERAPY
 ; TITLE OF INVENTION: AND DIAGNOSIS OF LUNG CANCER
 ; FILE REFERENCE: 210121.455C8
 ; CURRENT APPLICATION NUMBER: US/09/542,615A
 ; CURRENT FILING DATE: 2000-04-14
 ; NUMBER OF SEQ ID NOS: 350
 ; SOFTWARE: FastSEQ for Windows Version 3.0
 ; SEQ ID NO 347
 ; LENGTH: 1740
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 US-09-542-615A-347

Query Match 100.0%; Score 1740; DB 3; Length 1740;
 Best Local Similarity 100.0%;
 Matches 1740; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	1	ATGAACAAACTGTATATCGGAAACCTCAGCGAGAACGCCGCCCCCTCGGACCTAGAAAGT	60
Db	1	ATGAACAAACTGTATATCGGAAACCTCAGCGAGAACGCCGCCCCCTCGGACCTAGAAAGT	60
Qy	61	ATCTTCAAGGACGCCAAGATCCCGGTGTCGGGACCCCTTCTGGTGAAGACTGGCTACGCG	120
Db	61	ATCTTCAAGGACGCCAAGATCCCGGTGTCGGGACCCCTTCTGGTGAAGACTGGCTACGCG	120
Qy	121	TTCGTGGACTGCCCCGACGAGAGCTGGGCCCTCAAGGCCATCGAGGCGCTTTTCAGGTAAA	180
Db	121	TTCGTGGACTGCCCCGACGAGAGCTGGGCCCTCAAGGCCATCGAGGCGCTTTTCAGGTAAA	180
Qy	181	ATAGAACTGCACGGGAAACCCATAGAAGTTGAGCACTCGGTCCCAAAAAGGCAAAGGATT	240
Db	181	ATAGAACTGCACGGGAAACCCATAGAAGTTGAGCACTCGGTCCCAAAAAGGCAAAGGATT	240
Qy	241	CGGAAACTTCAGATACGAAATATCCCGCCTCATTTACAGTGGGAGGTGCTGGATAGTTTA	300
Db	241	CGGAAACTTCAGATACGAAATATCCCGCCTCATTTACAGTGGGAGGTGCTGGATAGTTTA	300
Qy	301	CTAGTCCAGTATGGAGTGGTGGAGAGCTGTGAGCAAGTGAACACTGACTCGGAAACTGCA	360
Db	301	CTAGTCCAGTATGGAGTGGTGGAGAGCTGTGAGCAAGTGAACACTGACTCGGAAACTGCA	360
Qy	361	GTTGTAAATGTAACCTATTCCAGTAAGGACCAAGCTAGACAAGCACTAGACAAACTGAAT	420
Db	361	GTTGTAAATGTAACCTATTCCAGTAAGGACCAAGCTAGACAAGCACTAGACAAACTGAAT	420
Qy	421	GGATTTTCAGTTAGAGAATTTACCTTGAAAGTAGCCTATATCCCTGATGAAACGGCCGCC	480
Db	421	GGATTTTCAGTTAGAGAATTTACCTTGAAAGTAGCCTATATCCCTGATGAAACGGCCGCC	480
Qy	481	CAGCAAAACCCCTTGACAGCAGCCCCGAGGTCGCCGGGGCTTGGGCAGAGGGGCTCCTCA	540

Db	481	 CAGCAAAACCCCTTGCAGCAGCCCCGAGGTCGCCGGGGGCTTGGGCAGAGGGGCTCCTCA	540
Qy	541	AGGCAGGGGTCTCCAGGATCCGTATCCAAGCAGAAAACCATGTGATTTGCCTCTGCGCCTG	600
Db	541	 AGGCAGGGGTCTCCAGGATCCGTATCCAAGCAGAAAACCATGTGATTTGCCTCTGCGCCTG	600
Qy	601	CTGGTTCCCACCCAATTTGTTGGAGCCATCATAGGAAAAGAAGGTGCCACCATTTCGGAAC	660
Db	601	 CTGGTTCCCACCCAATTTGTTGGAGCCATCATAGGAAAAGAAGGTGCCACCATTTCGGAAC	660
Qy	661	ATCACCAAACAGACCCAGTCTAAAATCGATGTCCACCGTAAAGAAAATGCGGGGGCTGCT	720
Db	661	 ATCACCAAACAGACCCAGTCTAAAATCGATGTCCACCGTAAAGAAAATGCGGGGGCTGCT	720
Qy	721	GAGAAGTCGATTACTATCCTCTCTACTCCTGAAGGCACCTCTGCGGCTTGTAAGTCTATT	780
Db	721	 GAGAAGTCGATTACTATCCTCTCTACTCCTGAAGGCACCTCTGCGGCTTGTAAGTCTATT	780
Qy	781	CTGGAGATTATGCATAAGGAAGCTCAAGATATAAAATTCACAGAAGAGATCCCCCTTGAAG	840
Db	781	 CTGGAGATTATGCATAAGGAAGCTCAAGATATAAAATTCACAGAAGAGATCCCCCTTGAAG	840
Qy	841	ATTTTAGCTCATAATAACTTTGTTGGACGTCTTATTGGTAAAGAAGGAAGAAATCTTAAA	900
Db	841	 ATTTTAGCTCATAATAACTTTGTTGGACGTCTTATTGGTAAAGAAGGAAGAAATCTTAAA	900
Qy	901	AAAATTGAGCAAGACACAGACACTAAAATCACGATATCTCCATTGCAGGAATTGACGCTG	960
Db	901	 AAAATTGAGCAAGACACAGACACTAAAATCACGATATCTCCATTGCAGGAATTGACGCTG	960
Qy	961	TATAATCCAGAACGCACTATTACAGTTAAAGGCAATGTTGAGACATGTGCCAAAGCTGAG	1020
Db	961	 TATAATCCAGAACGCACTATTACAGTTAAAGGCAATGTTGAGACATGTGCCAAAGCTGAG	1020
Qy	1021	GAGGAGATCATGAAGAAAATCAGGGAGTCTTATGAAAATGATATTGCTTCTATGAATCTT	1080
Db	1021	 GAGGAGATCATGAAGAAAATCAGGGAGTCTTATGAAAATGATATTGCTTCTATGAATCTT	1080
Qy	1081	CAAGCACATTTAATTCCTGGATTAAATCTGAACGCCTTGGGTCTGTTCCCACCCACTTCA	1140
Db	1081	 CAAGCACATTTAATTCCTGGATTAAATCTGAACGCCTTGGGTCTGTTCCCACCCACTTCA	1140
Qy	1141	GGGATGCCACCTCCCACCTCAGGGCCCCCTTCAGCCATGACTCCTCCCTACCCGCAGTTT	1200
Db	1141	 GGGATGCCACCTCCCACCTCAGGGCCCCCTTCAGCCATGACTCCTCCCTACCCGCAGTTT	1200
Qy	1201	GAGCAATCAGAAACGGGAGACTGTTTCATCTGTTTATCCCAGCTCTATCAGTCGGTGCCATC	1260
Db	1201	 GAGCAATCAGAAACGGGAGACTGTTTCATCTGTTTATCCCAGCTCTATCAGTCGGTGCCATC	1260
Qy	1261	ATCGGCAAGCAGGGCCAGCACATCAAGCAGCTTTCTCGCTTTGCTGGAGCTTCAATTAAG	1320
Db	1261	 ATCGGCAAGCAGGGCCAGCACATCAAGCAGCTTTCTCGCTTTGCTGGAGCTTCAATTAAG	1320
Qy	1321	ATTGCTCCAGCGGAAGCACCAGATGCTAAAGTGAGGATGGTGATTATCACTGGACCACCA	1380
Db	1321	 ATTGCTCCAGCGGAAGCACCAGATGCTAAAGTGAGGATGGTGATTATCACTGGACCACCA	1380
Qy	1381	GAGGCTCAGTTCAAGGCTCAGGGAAGAATTTATGGAAAAATTAAAGAAGAAAACCTTTGTT	1440

Db	1381	GAGGCTCAGTTCAAGGCTCAGGGAAGAATTTATGGAAAAATTAAAGAAGAAAACTTTGTT	1440
Qy	1441	AGTCCTAAAGAAGAGGTGAAACTTGAAGCTCATATCAGAGTGCCATCCTTTGCTGCTGGC	1500
Db	1441	AGTCCTAAAGAAGAGGTGAAACTTGAAGCTCATATCAGAGTGCCATCCTTTGCTGCTGGC	1500
Qy	1501	AGAGTTATTGGAAAAGGAGGCAAAACGGTGAATGAACTTCAGAATTTGTCAAGTGCAGAA	1560
Db	1501	AGAGTTATTGGAAAAGGAGGCAAAACGGTGAATGAACTTCAGAATTTGTCAAGTGCAGAA	1560
Qy	1561	GTTGTTGTCCCTCGTGACCAGACACCTGATGAGAATGACCAAGTGGTTGTCAAATAACT	1620
Db	1561	GTTGTTGTCCCTCGTGACCAGACACCTGATGAGAATGACCAAGTGGTTGTCAAATAACT	1620
Qy	1621	GGTCACTTCTATGCTTGCCAGGTTGCCCAGAGAAAAATTCAGGAAATTCTGACTCAGGTA	1680
Db	1621	GGTCACTTCTATGCTTGCCAGGTTGCCCAGAGAAAAATTCAGGAAATTCTGACTCAGGTA	1680
Qy	1681	AAGCAGCACCAACAACAGAAGGCTCTGCAAAGTGGACCACCTCAGTCAAGACGGAAGTAA	1740
Db	1681	AAGCAGCACCAACAACAGAAGGCTCTGCAAAGTGGACCACCTCAGTCAAGACGGAAGTAA	1740